

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/001598

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: G01N 21/64, 33/52

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WPIDS, MEDLINE, CA; KEYWORDS: FRET, BRET, RESONANCE ENERGY TRANSFER, MULTIPLE, THIRD, DETECTION, TAGS, FLUORESCENT NANOCRYSTALS, SPECTRA, OVERLAP

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 1998/048048 A (CAMBRIDGE UNIVERSITY TECHNICAL SERVICES LTD) 29 October 1998 Abstract, figure 2, claims	1-7, 9-13, 16, 18-20
Y		8, 14, 15, 17, 21-23, 37-45
X	LIU J. et al, "FRET study of a trifluorophore-labeled DNAzyme" J. Am. Chem. Soc. (2002) Vol 124 p15208-15216 Abstract, p15209 column 1 line 13 -column 2 line 18, figures 1, 4, discussion.	1-13, 16, 18-20
Y	Whole document	14, 15, 17, 21-23, 37-45



Further documents are listed in the continuation of Box C



See patent family annex

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
12 January 2005

Date of mailing of the international search report
20 JAN 2005

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CA 2301633 A (OTOGENE BIOTECHNOLOGISCHE FORSCHUNGS-UND ENTWICKLUNGS GMBH) 11 March 1999	24-36
Y	Claims	8, 14, 15, 17, 21-23, 37-45
	Whole document, in particular examples	
	TING A. et al, "Genetically encoded fluorescent reporters of protein tyrosine kinase activities in living cells" Proc. Natl. Acad. Sci. USA. (2001) Dec 18, Vol 98, No.26 p15003-8.	
X	Methods Section	24-36
Y	Whole document	8, 14, 15, 17, 21-23, 37-45
	RAMIREZ-CARROZZI V. et al, "Dynamics of Fos-Jun-NFAT1 complexes" Proc. Natl. Acad. Sci. USA. (2001) April 24, Vol 98, p 4893-4898	24-36
X	Material and Methods section	8, 14, 15, 17, 21-23, 37-45
Y	Whole document	
	BERTRAND L. et al, "The BRET ² /ARRESTIN assay in stable recombinant cells: A platform to screen for compounds that interact with G protein-coupled receptors (GPCRS)", J. Recept. Signal Transduct. Res. (2002) Vol 22(1-4) p533-41.	
X	Whole document	24-36
Y	Whole document	8, 14, 15, 17, 21-23, 37-45
	SONG X. et al, "Detection of multivalent interactions through two tiered energy transfer" Anal. Biochem. (2001) Vol 291 p133-141	
Y	Whole document	8, 14, 15, 17, 21-45
	KLOSTERMEIER D. et al, "A three-fluorophore FRET assay for high-throughput screening of small molecule inhibitors of ribosome assembly" Nucleic Acids Research (2004) Vol 32 No 9 p2707-2715	
P, X	Whole document	1-21
	WO 2004/029579 A (AMERSHAM BIOSENSORS CORP) 8 April 2004	
P, A	Whole document	
	US 6177249 B1 (KWOK) et al) 23 January 2001	
P, A	Whole document	
	KROEGER K. et al, "Study of G-protein-coupled receptor-protein interactions by bioluminescence resonance energy transfer" Methods in Molecular Biology, (2004) Vol 259, p 323-233, Receptor Signal Transduction Protocols, 2 nd Ed	
P, A	Whole document	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/001598

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
WO	9848048	AU	70641/98		
CA	2301633	AU	94375/98	DE	19737562
		WO	9912033	EP	1007969
US	6177249	AU	18210/97	CA	2240667
		IL	124967	EP	0868534
				US	5945283
WO	2004029579		NONE	WO	9722719

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX